Colour television

Operating Instruction

21PT2115
21PT2325
21PT3324

PHILIPS

3139 125 34801

Downloaded from www.Manualslib.com manuals search engine

IMPORTANT

Before you begin:

Make sure your package includes the following items: TV and mains cord, remote control, Instruction manual, antenna cable (optional) and Coaxial cable (optional).

Attention:

1. Read your manual first – your Philips TV comes with a well-designed remote control and onscreen display to ensure your TV is easy to operate.

2. The tips provided in this manual will save you time and money as charges for TV installation and adjustments of customer controls are not covered under the warranty.

3. For information outside of this manual, such as sales locations and other Philips products, please visit www.philips.com which will automatically link you to your local Philips website.

4. Please refer to the 'Troubleshooting Tips' before calling for service.

5. In case of a need to call for service, we recommend you to call from your room where your TV is located and have on hand your remote control, warranty card, TV model and serial number.

6. Do not discard packaging materials:
   - without thorough inspection for parts and that accessories that may be packed separately inside the carton.
   - during the warranty period should you need to exchange the set.

Recycling:

The materials used in your set are either reusable or can be recycled. To minimise environmental waste, specialist companies collect used appliances and dismantle them after retrieving any materials that can be used again (ask your dealer for further details).

Downloaded from www.Manualslib.com manuals search engine

Table of Contents

Installation

Installing your television set 3
The keys on the TV set 3
Remote control keys 4
Language 6
Tuner Mode 6
Auto Store 6
Manual Store 7
Channel Edit 7

Operation

Picture settings 8
Sound settings 8
Format 9
Signal Strength 9
Active Control 10
Personal Zapping 10
Teletext 11

Peripherals

DVD player 13
Video recorder 13
Other equipment 14
Amplifier 14
Side connections 14

Practical information

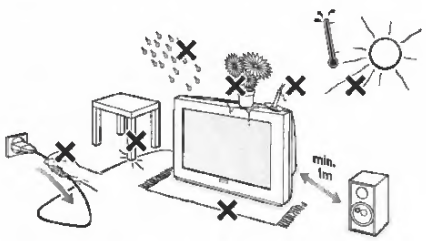
Tips 15
Glossary 16
Specification 17

p1-2 1 12/28/04, 10:40 AM

Downloaded from www.Manualslib.com manuals search engine

Safety information

- Disconnect mains plug when :
  - the indicator light below the TV screen is flashing continuously.
  - a bright white line is displayed across the screen.
  - there is a lightning storm.
  - the set is left unattended for a prolonged period of time.
- cleaning the TV screen. Never use abrasive cleaning agents. Use a slight damp chamois leather or soft cloth.
- No naked flame sources, such as lighted candles, should be placed on top of the TV or in the vicinity.
- Do not place your TV set under direct sunlight or heat.
- Leave at least 10 cm around each side of TV set to allow for proper ventilation.
- Avoid placing your set (e.g. near the window) where it is likely to be exposed to rain or water.
- No objects filled with liquids should be placed on top the TV so as to avoid dripping or splashing of liquids on the set.



Useful information

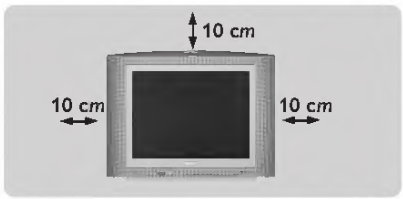
- Do not leave your set on standby mode for a prolonged period of time. Switch off set to allow it to be demagnetised. A demagnetised set supports good picture quality.
- Do not shift or move the set around when it is switched on. Uneveness in colour in some parts of the screen may occur.
- Never attempt to repair a defective TV yourself. Always consult a skilled service personnel.

Downloaded from www.Manualslib.com manuals search engine

Installing your television set

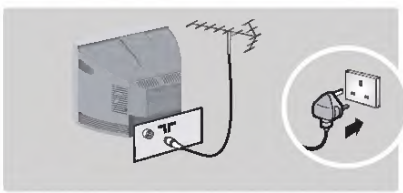
(Diagrams are for illustration only. May differ from actual TV sets)

Positioning the television set



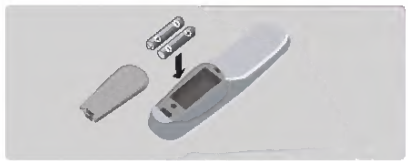
Place your TV on a solid, stable surface, leaving a space of at least 10 cm around the appliance.

Connections



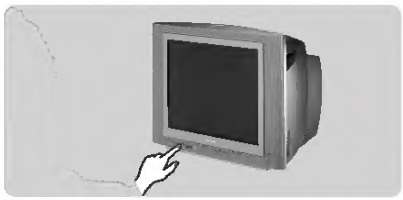
- Insert the aerial plug into the ⊤ socket at the rear of the set.
  If you are using an indoor aerial, reception may be difficult in certain conditions. You can improve reception by rotating the aerial. If the reception remains poor, you will need to use an external aerial.
- Insert the mains plug into a wall socket.
  Diagram may differ from the actual plug.

Remote control



Insert the two R6-type batteries (supplied) making sure that they are the right way round.
The batteries supplied with this appliance do not contain mercury or nickel cadmium.
If you have access to a recycling facility, please do not discard your used batteries (if in doubt, consult your dealer).

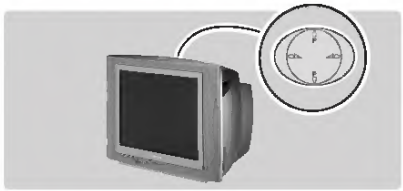
Switching on



To switch on the set, press the on/off key.
A red indicator means that the television is on standby mode. Refer to the next page on 'Remote Control keys' for the various keys that you could use to switch on the set. An indicator light will flash when it is receiving signal from the remote control.

The keys on the TV set

The television set has 4 keys which are located at the top/or front.



The VOLUME increase/decrease key is used to adjust the sound levels. The CHANNEL up/down key is used to select channels.
To access or exit the main menu, press down the VOLUME increase/decrease keys, simultaneously.
To select an item in the main menu, press the CHANNEL up/down key.
To select an adjustment, press down the VOLUME increase/decrease key.

p3-7 3 12/28/04, 10:52 AM

Downloaded from www.Manualslib.com manuals search engine

Remote control keys

(Choose the right remote control that comes with your TV)

Standby
Lets you place the TV set on standby. To turn on the TV, press CH + or –, ⏻ ,AV, A/CH or digit keys

Teletext keys (p. 10)

Delete Personal Zapping list
Deletes stored channels from Personal Zapping list (p. 9)

Smart Picture
Used to access a series of stored settings: Rich, Natural, Soft, Multimedia or Personal.

No function

Cursor
These 4 keys are used to move around the menus or provide direct access to the different picture formats (p. 7-9)

Channel selection
To access the next or previous channel. The number and sound mode are displayed for a few moments whenever you select a new channel.

Teletext key (p. 10)

On screen display
To display/clear the on screen information. Press the key for 5 seconds to activate permanent display of channel number. This key is also used to exit from the menu.

AV channel selection
Press several times to select AV1, AV2, FRONT or CVI.

Teletext /Personal Zapping
In teletext mode; the colour keys allows direct access to an item or corresponding pages (p. 10)
In Personal Zapping mode; you can surf up to 10 personal channels for each key (p. 9)

Add Personal Zapping list
Adds and stores channels into Personal Zapping list (p. 9)

Smart Sound
Used to access a series of stored settings: Theatre, Music, Voice or Personal.

Menu
To call up or exits menus.

Volume
To adjust the sound level.

Mute
To mute or restore sound.

Alternate channel
Switched between the current and the previous channel.

Digit keys
Direct access to the channels. For a 2-digit channel, enter the second digit before the first digit disappears.

Sleeptimer
Selects a period of time after which the TV will go into standby mode automatically.

Downloaded from www.Manualslib.com manuals search engine

Remote control keys

(Choose the right remote control that comes with your TV)

Personal Zapping
You can surf up to 10 personal channels for each key (p. 9)

Sleeptimer
Selects a period of time after which the TV will go into standby mode automatically.

Add Personal Zapping list
Adds and stores channels into Personal Zapping list (p. 9)

Smart Sound
Used to access a series of stored settings: Theatre, Music, Voice or Personal.

Menu
To call up or exits menus.

Cursor
These 4 keys are used to move around the menus or provide direct access to the different picture formats (p. 7-9)

Volume
To adjust the sound level.

Digit keys
Direct access to the channels. For a 2-digit channel, enter the second digit before the dash disappears.

Alternate channel
Switched between the current and the previous channel.

Standby
Lets you place the TV set on standby. To turn on the TV, press CH + or –, ⏻, AV, A/CH or digit keys.

AV channel selection
Press several times to select AV1, AV2, FRONT or CVI.

Delete Personal Zapping list
Deletes stored channels from Personal Zapping list (p. 9)

Smart Picture
Used to access a series of stored settings: Rich, Natural, Soft, Multimedia or Personal.

No function

Mute
To mute or restore sound.

Channel selection
To access the next or previous channel.

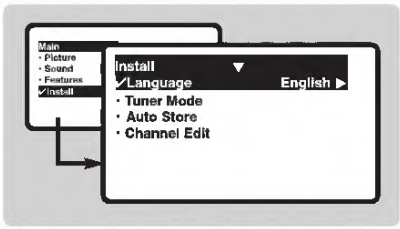
On screen display
To display/clear the on screen information. Press the key for 5 seconds to activate permanent display of channel number. This key is also used to exit from the menu.

p3-7 5 12/28/04, 10:52 AM

Downloaded from www.Manualslib.com manuals search engine

Language

When there is no signal input to the TV, you may encounter instability of the screen display. In this instance, please use the key to select an AV channel.



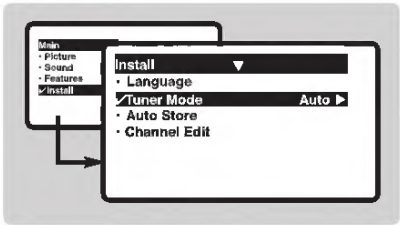
(On screen display may differ from actual TV)

The **Language** feature is used to change the display language for menus.

1. Press the **MENU** key.
2. With the cursor, select the **Install** menu and follow by the **Language**.
3. Use the key to select a language of your choice.
4. To quit the menus, press .

Tuner Mode **(applicable to certain TV models only)**

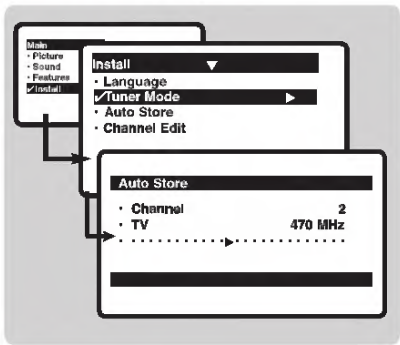
You can select Auto, Antenna or Cable modes with this menu.



1. Press the **MENU** key.
2. With the cursor, select the **Install** menu and follow by the **Tuner Mode**.
3. Use the key to select either Auto, Antenna or Cable
4. To quit the menus, press .

Auto Store **(applicable to certain TV models only)**

This menu is used to store all available channels automatically.



1. Press the **MENU** key.
2. With the cursor, select the **Install** menu and follow by the **Auto Store**.

All the available TV channels will be stored. This operation takes a few minutes. The display shows the progress of the search and the number of channels found.
At the end of the search, the menu disappears.
To exit or interrupt the search, press **MENU**.
If no channels are found, consult the possible solutions on "TIPS" page.

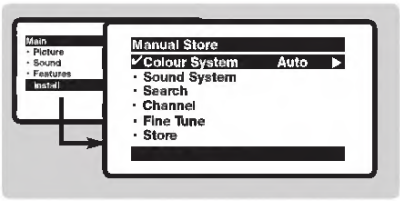
p3-7 6 12/28/04, 10:52 AM

Downloaded from www.Manualslib.com manuals search engine

Manual Store (applicable to certain TV models only)

This menu is used to store channels one at a time.

1. Press the **MENU** key.
2. With the cursor, select the **Install** menu and follow by the **Manual Store**.

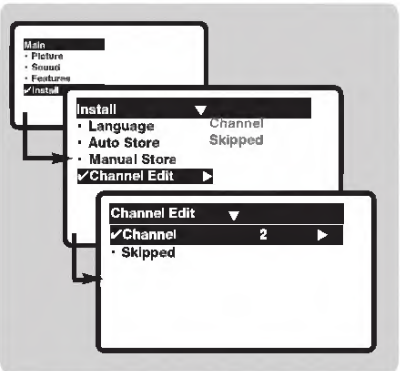


3. **Colour System:** use the ◁ or ▷ key to select the desired colour system; **Auto, PAL, NTSC 3.58** or **NTSC 4.43**.
4. **Sound System:** use the ◁ or ▷ key to select the desired sound system; **Auto, BG, I, DK** or **M**.
5. **Search:** Press **MENU**. The search starts. Once a channel is found, the scanning stops. Go to the next step.
   If no picture is found, consult the possible solutions (p. 14)
6. **Channel:** enter the required channel with the ◁, ▷ or digit keys.
7. **Fine Tune:** if the reception is not satisfactory, adjust using the ◁ or ▷ keys.
8. **Store:** Press ▷ .The channel is stored.
9. Repeat steps 5 to 8 for each channel you wish to store.
10. To quit the menus, press ⊡ .

Channel edit

This feature allows you to skip or edit channels which have bad or weak TV signal or channels you do not watch often.

Once a channel is skipped, you cannot have access to it by the Channel + or – key. You can only access the channels by the digit (0-9) keys.



(On screen display may differ from actual TV)

1. Press the **MENU** key. The **Main menu** is displayed on the screen.
2. With the cursor, select the **Install** menu followed by the **Channel Edit** menu.
3. Enter into the menu and select the channel number you wish to skip by the digit keys.
4. Then use the ▷ key to select **Skipped**. Use the ▷ key to select **On**.
5. Repeat steps 3 and 4 for each channel you wish to skip.
6. To quit the menus, press ⊡ .

To restore skipped channels

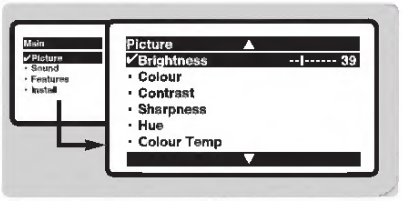
1. Repeat steps 1 to 3 above.
2. Use the ▷ key to select **Skipped** and the ▷ key to select **Off**.
3. Repeat steps 1 and 2 for each channel you wish to skip.
4. To quit the menus, press ⊡ .

p3-7 7 12/28/04, 10:52 AM

Downloaded from www.Manualslib.com manuals search engine

Picture settings

1. Press **MENU** then ^ . The **Picture** menu is displayed:



(On screen display may differ from actual TV)

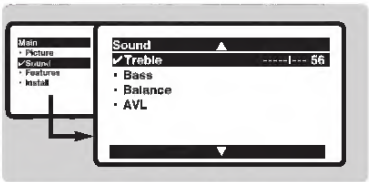
2. Use the ^ or v keys to select a setting and the ^ or > keys to adjust.
Note: during the picture adjustment, only the selected line remains displayed. Press ^ or v to display the menu again.
3. Press ⏻ to exit.

Description of the adjustments:

- **Brightness:** this changes picture brillance.
- **Colour:** this changes the intensity of the colour.
- **Contrast:** this changes the difference between the light and dark tones.
- **Sharpness:** this changes the picture definition.
- **Hue:** this adjusts the skin colour tone.
- **Colour Temp.:** this changes the colour rendering: Cold (bluer), Normal (balanced) or Warm (redder).
- **NR:** attenuates picture noise (snow) in difficult reception conditions.
- **Contrast +** (TV model - dependant): automatic adjustment of the picture contrast which permanently sets the darkest part of the picture black.

Sound settings

1. Press **MENU**, select **Sound** (v) and press ^. The **Sound** menu is displayed.



(On screen display may differ from actual TV)

2. Use the ^ or v key to select a setting and the ^ or > key to adjust.
3. Press ⏻ to exit.

Description of the adjustments:

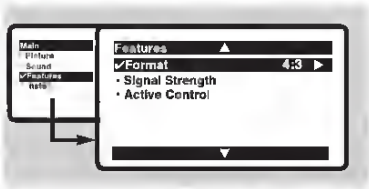
- **Treble** (Treble Boost): this alters the high frequency sounds.
- **Bass** (Bass Boost): this alters the low frequency sounds.
- **Balance:** this balances the sound on the left and right speakers.
- **AVL** (Automatic Volume Leveller): this is used to limit increases in sound, especially on channel change or advertising slots.

p8-12 8 12/28/04, 11:05 AM

Downloaded from www.Manualslib.com manuals search engine

Format

This feature enhances your viewing pleasure by providing you with a choice of two picture formats.- **4:3** and **Expand 4:3**.



1. Press **MENU**, use the ▷ or ▽ key to select Features and press the ▷ key.
2. Use the ▷ key to select **4:3** or **Expand 4:3.**
3. Press the ⎋ key to exit.

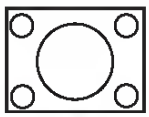
Description of formats:

4:3

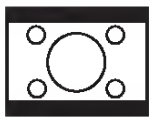
– select this format if you want to display a conventional picture using the full surface of the screen.

Expand 4:3

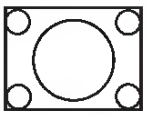
– select this format if you want to expand pictures transmitted in 'letterbox' format (black horizontal bars at the top and bottom of the screen) to fill up the entire screen.



4:3



Letterbox



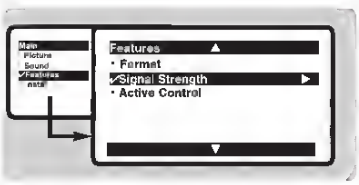
Expand 4:3

Signal Strength

(applicable to certain TV models only)

This feature displays the signal strength level at the bottom of the screen. Select the option **On** and it will appear each time you switch to a new channel.

1. Press **MENU**, use the ▷ or ▽ key to select Features and press the ▷ key.
2. Use the ▷ key to select **On** or **Off.**
3. Press the ⎋ key to exit.

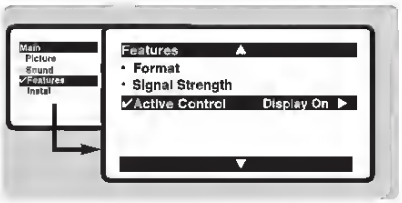


p8-12 9 12/29/04, 6:18 PM

Downloaded from www.Manualslib.com manuals search engine

Active Control (applicable to certain TV models only)

The Active Control monitors and adjusts incoming video signals to help provide the best picture quality. When you choose to turn the Active Control to On or Display On, the Brightness, Contrast, Sharpness, Contrast+ and NR (noise reduction) features are controlled automatically. Active Control adjusts these picture settings continuously and automatically



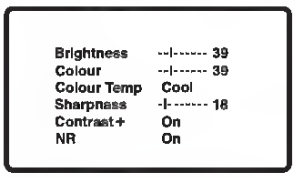
1. Enter Features menu as described in "Features settings" on the previous page.
2. Use the key to select Active Control and press the key to select **Off, On** or **Display On.**
3. Press the key to exit

Description of option:

Off: the Active Control will not be activated.

On: the Active Control will work to give the viewer the best possible picture, but will not display the monitoring screen when channels are changed.

Display On: an Active Control monitoring screen will show up for a few seconds whenever a channel is changed.



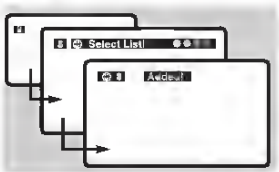
Active Control Monitoring Screen

Personal Zapping (applicable to certain TV models only)

A list or series of favourite TV programs can be selected and stored in the 4 coloured keys with the Personal Zapping feature. With this feature you can easily viewed up to a total of 10 preferred channels for each coloured key.

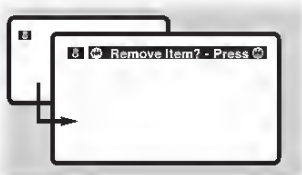
To add channels:

1. Select a channel with the digit keys.
2. Press to display list.
3. Press your favourite colour key to store the channel in step 1.
4. Repeat steps 1 to 3 to store more channels.
5. Press to exit.



To delete channels:

1. Select and press a colour key that has stored channels repeatedly to select the channel you want to delete.
2. Press to display list.
3. Press to remove channel.
4. Repeat steps 1 to 3 delete more channels.
5. Press to exit.



To view channels:

Select and press a colour key that has stored channels repeatedly to select the channel you want to view

p8-12 10 12/30/04, 9:35 AM

Downloaded from www.Manualslib.com manuals search engine

Teletext (applicable to TV with Teletext function only)

Teletext is an information system broadcast by certain channels which can be consulted like a newspaper. It also offers access to subtitles for viewers with hearing problems or who are not familiar with the transmission language (cable networks, satellite channels, etc.).

Press:		You will obtain:
	Teletext call	This is used to call teletext, change to transparent mode and then exit. The summary appears with a list of items that can be accessed. Each item has a corresponding 3 digit page number *If the channel selected does not broadcast teletext, the indication 100 will be displayed and the screen will remain blank (in this case, exit teletext and select another channel).*
0/9 ▲ ▼	**Selecting a page**	Enter the number of the page required using the digit, CH + or – or ▲▼ keys. Example: page 120, enter 1,2 and 0. The number is displayed on the top left, the counter turns and then the page is displayed. Repeat this operation to view another page. *If the counter continues to search, this means that the page is not transmitted. Select another number.*
	Direct access to the items	Coloured areas are displayed at the bottom of the screen. The 4 coloured keys are used to access the items or corresponding pages. *The coloured areas flash when the item or the page is not yet available.*
	Contents	This returns you to the contents page (usually page 100).
	Temporary stop	This is used to temporarily disable or activate the teletext display.
	Enlarge a page	This allows you to display the top or bottom part of the page and then return to normal size.

p8-12 11 12/30/04, 9:35 AM

Downloaded from www.Manualslib.com manuals search engine

Teletext (applicable to TV with Teletext function only)

Press:	You will obtain:
Stop sub-page acquisition	Certain pages contain sub-pages which are automatically displayed successively. This key is used to stop or resume sub-page acquisition. The indication (2) appears on the top left.
Hidden information	To display or hide the concealed information (games solutions).
Favourite pages	For teletext programs 0 to 40, you can store 4 favourite pages which can then be accessed directly using the coloured keys (red, green, yellow, blue). 1. Press the MENU key to change to favourite pages mode. 2. Display the teletext page that you want to store. 3. Press the coloured key of your choice for 3 seconds. The page is now stored. 4. Repeat the operation with the other coloured keys. 5. You can now consult teletext and your favourite pages will appear in colour at the bottom of the screen. To retrieve the standard items, press MENU. To clear everything, press for 5 seconds.

p8-12 12 12/30/04, 9:35 AM

Downloaded from www.Manualslib.com manuals search engine

Connecting peripheral equipment

The television can have the following external sockets situated at the back of the set (depending on the TV models).
The AV1 in socket has Y, Pb, Pr and/or audio/video inputs.
The AV2 in socket has S-Video and/or audio/video inputs.
The Monitor out socket has audio and video outputs.

(Diagrams are for illustration only. May differ from actual TV sets)

DVD player

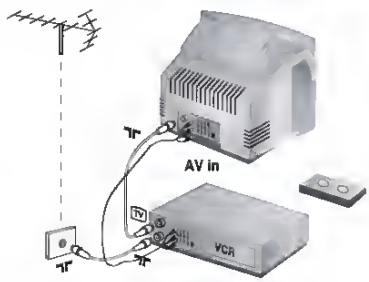
For TV with Y, Pb, Pr connection
(Note: Y, Pb, Pr and S-video connection are for certain TV models.)
Connect the TV's green, blue and red Y Pb Pr (AV1 in) jacks to the corresponding COMPONENT VIDEO IN jacks on the player

For TV without Y, Pb, Pr connection
Connect the TV's yellow (VIDEO) jack to the corresponding video jack on the player.

For Stereo/AV Stereo TV
Connect the TV's red and white (R and L) AUDIO IN jacks to the corresponding AUDIO OUT jacks on the player. Match the cable colour to the jacks' colour. The red jack is the Right audio channel and the white jack is the Left audio channel.

For Mono/Bisonic TV
Connect the TV's white AUDIO IN jack (MONO LEFT) to the corresponding AUDIO OUT jacks on the player.
Turn on the TV and DVD player. Set the TV to CVI or (AVI) and DVD background screen will come on the screen. You can now play your disc.
Note: You need to select the channel CVI or (AVI) manually to playback DVD disc.

Video recorder



For Stereo/AV Stereo TV
Connect the TV's yellow, white and red jacks to the corresponding Video and Audio jacks on the player.

For Mono/Bisonic TV. Only white AUDIO jacks need to be connected.
Turn on the TV and VCR player. Set the TV to AV2 (or AVI). You can now play your video cassette tape.
Connection is also possible via the aerial cable. You will therefore need to tune in your video recorder's test signal and assign a channel number 0. Select channel 0 to playback

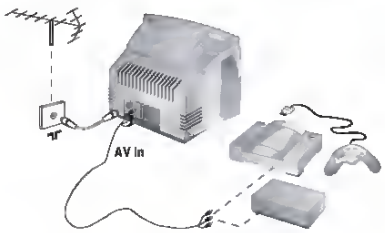
p13 - 14 13 12/28/04, 10 53 AM

Downloaded from www.Manualslib.com manuals search engine

Connecting peripheral equipment

(Diagrams are for illustration only. May differ from actual TV sets)

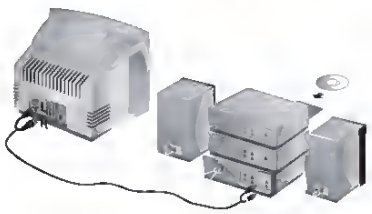
Other equipment (where applicable)



Satellite receiver, decoder, games, etc.

1. Carry out the connections shown opposite.
2. To optimise picture quality, connect the equipment which produces the video signals (digital decoder, games, etc) to AV1 in and equipment which produces the S-VHS signals (S-VHS and Hi-8 video recorders, certain DVD drives to AV2 in and all other equipment to either AV1 in or AV2 in.

Amplifier (where applicable)



1. To connect to a hi-fi system, use an audio connection cable and connect the "L" and "R" outputs on the TV set to the "AUDIO IN" "L" and "R" input on your hi-fi amplifier.

Side connections (TV model dependant)

Make the connections as shown opposite.
With the ⇄ key, select AV or FRONT.
For a monophonic device, connect the audio signal to the AUDIO L input.

Headphones

When headphones are connected, the sound on the TV set will be cut. The VOL + or – keys are used to adjust the volume level.
The headphone impedance must be between 32 and 600 Ohms.

Downloaded from www.Manualslib.com manuals search engine

Tips

Poor reception

The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, try manually adjustingyour picture: see Fine Tuning or try skipping channels with bad or weak TV signals or modify the orientation of the outside aerial. Does your antenna enable you to receive broadcasts in this frequency range (UHF or VHF band)? In the event of difficult reception (snowy picture) switch the **NR** on the **Picture** menu to **ON** (where applicable).

No picture

If the television does not switch on, press the standby key (located on the remote control) twice. Have you connected the aerial socket properly? Have you chosen the right system or Tuner Mode?
Poorly connected aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the TV set is moved or turned).
Check all connections.

No sound

If on certain channels you receive a picture but no sound, this means that you do not have the correct TV system. Modify the System setting.

Colour patches on screen

Switch off the TV by the mains power button and wait for about 20 minutes before switching on again.

Good picture but no sound

Try to increase the volume level. Check that the sound is not set to "mute". If it is, press the key to restore the sound.

Good sound but poor colour or no picture

Try to increase the contrast and brightness setting.

Snowish picture and noise

Check antenna connection at the rear of the TV.

Horizontal dotted lines

Possible electrical interference e.g. hairdryer, vacuum cleaner, etc. Switch off the appliances.

Double or "Ghost" images

Possible poor positioning of antenna. Using a high directional antenna may improve reception.

Peripheral equipment gives a black and white picture

You have not selected the socket connection to the right channel with the key: for example, AV1 in socket connection should select channel AV1 to playback. To play a video cassette, check that it has been recorded under the same standard (PAL, SECAM, NTSC) which can be replayed by the video recorder.

The remote control does not work

Check that the batteries are the right way round and there is no obstruction between the remote control and the TV. If the light indicator on the set no longer flashes when you use the remote control, replace the batteries.

p15-17_21PT3324 15 12/28/04, 10:53 AM

Downloaded from www.Manualslib.com manuals search engine

Glossary

4:3
Refers to the ratio between the length and the height of the screen. Wide screen televisions have a ratio of 16:9 while conventional televisions have a ratio of 4:3.

4:3 Expand
The images recorded in "letterbox" format are expanded to fill the entire screen and the black horizontal bars at the top and bottom are removed.

Active Control
Is a unique, intelligent, and proactive control system, which measures and analyzes the incoming analog signal 60 times per second to automatically adjust settings for optimal picture quality. It also uses a sensor to adjust for ambient room light; when the room gets brighter, so does the picture.

Contrast+
Enhances the darker portions of the picture to improve its picture quality.

Personal Zapping
A Philips trade marked feature which allows any combination of favourite teletext pages or TV channels to be stored in the coloured Favourite Channels/Teletext keys. A total of 10 preferred channels/teletext pages of the same subject or user can be stored in each coloured key.

System
Television pictures are not broadcast in the same way in all countries. There are different standards: BG, DK, I, NTSC and SECAM. The system setting (p. 6) is used to select these different standards.

p15-17_21PT3324 16 12/28/04, 10:53 AM

Downloaded from www.Manualslib.com manuals search engine

Specification

Product type	21PT2115	21PT2325	21PT3324
Picture			
Picture screen diameter	525 mm	525 mm	520 mm
Visible screen size	510 mm	510 mm	510 mm
Smart Picture Modes	x	x	x
Brightness Control	x	x	x
Colour Control	x	x	x
Contrast Control	x	x	x
Sharpness Control	x	x	x
Colour Temperature Control	x	x	x
Contrast Plus		x	x
Noise Reduction		x	x
Active Control		x	x
Signal Strength Indicator		x	x
Sound			
Sound output	2x 2W	2x 2W	2x 5W
Loudspeakers; Full range	x	x	x
Smart Sound Modes	x	x	x
Auto Volume Leveller	x	x	x
Reception			
Tuning system			
PLL tuning	x	x	x
Tuner			
UV,5 and Hyperband	x	x	x
Pal Multisystem *	x	x	x
Channel Selection			
100 presets*	x	x	x
125 presets, full cable*	x	x	x
Aerial input			
75 ohm coaxial	x	x	x
TV Systems off-air			
NTSC M (3.58-4.5)	x	x	x
Pal BG*	x	x	x
Pal D/K*	x	x	x
Pal I*	x	x	x
SECAM B/G*	x	x	x
SECAM D/K*	x	x	x
TV Systems			
PAL- Multi AP*	x	x	x

p15-17_21PT3324 17 12/28/04, 10:53 AM

Downloaded from www.Manualslib.com manuals search engine

Specification

Video playback			
NTSC 4.43/3.S8	x	x	x
NTSC Playback	x	x	x
PAL 60*	x	x	x
Sound Systems			
AV Stereo			x
8isonic	x	x	
Teletext*			
Reception standards: TOP	x	x	x
Smart text: 1 page memory	x	x	x
Connectors			
Front			
Headphone out (3.S mm)	x		
Mono Audio/Video input	x		
Side			
Headphone out (3.S mm)	x		
Mono Audio/Video input	x		
Stereo headphone out (3.S mm)	x		
Stereo Audio/Video input	x		
Rear			
Mono Audio/Video input	x	x	
Mono Audio/Video output	x	x	
Stereo Audio/Video input x 2			x
Stereo Audio/Video output x1			x
Component Video Input			x
S-video input			x
Ease of use			
Multi language on screen display	x	x	x
Personal Zapping		x	x
Alternate channel	x	x	x
Sleeptimer	x	x	x
Size and weight			
Set dimensions (estimate)			
L x D x H mm	T8C	S22x479x461	S96x487x4S2
Net weight	21 kg	2S.S kg	2S.S kg

*Note: * Feature dependent on TV model and/or TV transmission system*

Downloaded from www.Manualslib.com manuals search engine